



New Insights into Epidemiology, Detection and Characterization of Bacterial Pathogens

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Message from the Guest Editors

Bacterial infections are a major cause of morbidity and mortality worldwide, posing considerable health, social, and economic burdens. Therefore, rapid detection and accurate identification of the causative agents play a crucial role to optimize treatment and control measures. The need for rapid and precise methods for detection and characterization is of peculiar importance in the case of highly virulent bacteria associated with severe life-threatening diseases and of multidrug-resistant agents associated with difficult to treat infections. In this Special Issue, we aim to address the most recent advances on the use of molecular methods based on genomic and proteomic approaches, mass spectrometry, digital microbiology, machine learning and bioinformatics applied to the detection, characterization and epidemiology of bacteria and bacterial infections.

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Message from the Editor-in-Chief

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